@AQUAEXCEL3

AQUAEXCEL.EU/TRAINING-COURSES

AQUA EXCEL 3.0

TRAINING COURSE SERIES

All Courses are FREE

AQUAEXCEL3.0 are offering four training courses which utilise the latest results, and build on the success of AQUAEXCEL^{2020}. Courses will be free and online, and will include live webinars, recorded video tutorials, print materials, and practical exercises.

WELFARE INDICATORS

LED BY: NOFIMA

DATE: October 2023

This training course will focus on welfare indicators for different fish species used in aquaculture research. Participants will learn about the latest technologies around developing welfare indicators, their advantages and disadvantages and carry out practical exercises around real-life cases for welfare monitoring. Environmental enrichment and exercise training will be examined in relation to how they can be beneficial in terms of promoting resilience and robustness in fish.

USING MODELLING AS A TOOL FOR EXPERIMENTAL DESIGN

LED BY: NTNU

DATE: February 2024

This course will expand upon AQUAEXCEL^{2020} training with new results, integrating the planned updated virtual lab with new models that participants will be able to test. Researchers will be trained in the use of numerical models as efficient tools for designing experiments and gaining a better understanding of the interaction between biological and physical factors within aquaculture research, including growth, nutrition, waste production, water quality, water treatment and hydrodynamic flow fields.

CONDUCTING EXPERIMENTAL INFECTIONS IN FISH AND SHELLFISH

LED BY: DTU

DATE: November 2024

This course will cover the use of fish for fish disease research; How to design and perform experimental infection trials in shellfish (oysters, clams, cockles and mussels); Considerations when conducting virulence and pathogenesis studies with virus; Considerations when conducting studies of bacteriological diseases; Statistical analysis of data from experimental trials; Vaccine testing under experimental and field conditions; How to conduct trials with shellfish (shrimps) and considerations to take into account when designing infection trials with endo- and ectoparasites in marine non-salmonid species.

SHELLFISH AND SEAWEED PRODUCTION IN RESEARCH INFRASTRUCTURES

LED BY: DTU

DATE: November 2024

This training course will teach participants Hatchery procedures for flat oysters; Hatchery procedures for seaweed; Grow-out procedures for seaweed on longline structure; Optimization of mussel suspended culture (DTU-DSC); Technical development in the seaweed industry; Land-based seaweed aquaculture: systems and grow-out procedures.

Designed and developed by ERINN Innovation

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 871108 (AQUAEXCEL3.0). This output reflects only the author's view and the European Commission cannot be held responsible for any use that may be made of the information contained therein.